

International Application No.
Applicant:
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New Claims

1. Mobile electronic having a first audio component for providing a first continuous audio signal and a second audio component for providing a second audio signal, and an audio output for outputting an audio signal, said audio output being connected to said first and second audio components, and
a mixer, connected between said first and second audio component and said audio output for mixing said first continuous audio signal and said second audio signal to generate a mixed signal to be supplied to said audio output,
characterized in that
said first audio component comprises a radio receiver and an audio recorder configured for receiving radio programs and recording from said radio receiver and providing a audio monitor audio signal as said first continuous audio signal, without influencing the recorded audio signal from the radio receiver.
2. Mobile electronic device according to claim 2, wherein said audio recorder comprises a component generating a signal indicative of the recording state of said audio recorder.
3. Mobile electronic device according to claim 3, characterized in that said mixer comprises a component to receive a signal indicative if one of said audio signals of said audio components is actually recorded or not, and a component for adjusting the ratio of amplitudes in accordance with said received signal.
4. Mobile electronic device according to anyone of the preceding claims, wherein at least one of said audio components comprises an input terminal for an external audio signal.
5. Mobile electronic device according to anyone of the preceding claims, further comprising a component for determining the amplitudes of said first audio signal and said second audio signals.
6. Mobile electronic device according to anyone of the preceding claims, wherein said mixer further comprises means for adjusting the ratio of amplitudes of said first and second audio signal in said mixed signal.

AMENDED SHEET

7. Mobile electronic device according to anyone of the preceding claims, wherein one of said audio components comprises an audio player.
8. Mobile electronic device according to anyone of the preceding claims, wherein one of said audio components comprises a mobile phone.
9. Mobile electronic device according to anyone of the preceding claims, wherein one of said audio components comprises a component for encoding/decoding audio signals.
10. Mobile electronic device according to anyone of the preceding claims, wherein said audio output comprises an audio connector for connecting headphones.
11. Method for mixing a first and a second audio signal with different priorities in a mobile device, said device comprising a radio receiver, and a recorder comprising:
 - receiving a radio program via said radio receiver,
 - recording said radio program at said recorder,
 - providing a record monitor signal of said radio program as a first continuous audio signal;
 - receiving a second audio signal;
 - mixing said first and said second audio signals according to a predetermined ratio of amplitudes, without influencing the recorded audio signal from the radio receiver; and
 - providing said mixed signal for output.
12. Method according to claim 11, further comprising generating a signal indicative of a proceeding recording operation.
13. Method according to anyone of claim 12, further comprising detecting a signal indicative of a proceeding recording operation, and mixing said first and second signals in accordance with said detected signal indicative of a proceeding recording operation.
14. Method according to anyone of claims 11 to 13, further comprising detecting a first and a second audio signal, prior to said step of mixing.
15. Method according to anyone of claims 11 to 14, further comprising determining the amplitudes of said first and second audio signal.

16. Method according to anyone of claims 11 to 15, further comprising decoding at least one of said first or second audio signals.
17. Method according to anyone of claims 11 to 16, further comprising encoding at least one of said first or second audio signals.
18. Computer program tool for executing said method for mixing audio signals in a mobile electronic device, comprising program code means for carrying out the steps of anyone of claims 11 to 17 when said program is run on a computer or an electronic device.
19. Computer program comprising program code means stored on a computer readable medium for carrying out the method of anyone of claims 11 to 17 when said program product is run on a computer or an electronic device.
20. Computer program product comprising program code means stored on a computer readable medium for carrying out the method for mixing audio signals in a mobile electronic device of anyone of claims 11 to 17 when said program product is run on a computer or electronic device.